

What is claimed is:

1. A lock type manually tightened chuck, comprising:

a chuck body with a front side and a back side;

5 a front cover, being fixed to the front side of the chuck; and

a driving nut, being fixed to a middle part of the chuck;

characterized in that the manually tightened chuck further comprises an inner cover, a plurality of thin pillar,

10 which is fixedly attached to the inner cover circumferentially, a plurality of elastic pallets, being corresponding to the thin pillars and each of the elastic pallets at one end thereof connecting with a corresponding one of the thin pillars fixedly and another end of said elastic pallet being a stick-up; the

15 inner cover is fixedly attached to the driving nut; the front cover at an inner wall thereof is provided with a plurality of recesses and each of the recesses having two opposite lateral walls; the inner walls of the thin pillars contact with one of the lateral walls of the recesses respectively and the other lateral walls of the recesses are disposed at the stick-ups of the pallets to lean against each other; and a set of ratchets are 20 circumferentially provided on the chuck body evenly corresponding to the pallets.

25 2. The lock type manually tightened chuck according to claim 1, wherein at least two of the thin pillars are disposed to distribute evenly around the chuck body and each of the thin pillars is fixed with one of the elastic pallets.

3. The lock type manually tightened chuck according to claim 1, wherein the lateral wall of each of the recesses disposed at the stick-ups of the pallets has a circular surface at a front half section thereof.

5

10

15

20

25